

**GRADE 9 MATHEMATICS
NOVEMBER EXAMINATION PAPER 1**

QUESTION 1

Choose and write the correct letter on your answer sheet.

1.1 The constant value in the expression $2x^2 + 3x + 2$ is _____ (3)

- A 3
B 2
C 4
D 5

1.2 How many terms are in the expression $2x^2 + 3x + 2$? _____ (3)

- A 1
B 2
C 3
D 4

1.3 Determine the following two terms in the sequence: _____ (3)

- A 48; 56
B 48; 57
C 47; 56
D 47; 57

1.4 Prime numbers that lie between 8 and 22: _____ (3)

- A 11, 13, 17, 19, 23
B 11, 13, 17, 19
C 11, 13, 17, 19, 23
D 11, 13, 17, 19, 23

1.5 $\sqrt{324}$ is _____ (3)

- A 18
B 74
C 18 and 74
D 18

1.6 If $x = 2$, the value of $3x^2 + 4x$ would be: _____ (3)

- A 10
B 12
C 14
D 16

6 x 1 = 6

QUESTION 2: WHOLE NUMBERS & INTEGERS

2.1 Write 345:15 in it's simplest form. _____ (2)

2.2 If 10 contractors can build a house in 10 days. How many contractors, working at the same rate, will be needed to build the house in 4 days? _____ (3)

2.3 John drove 620km in 5 and a half hours. Calculate his average speed in km/h. _____ (3)

2.4 Write the number 48 in its prime factorised form. Write the prime factors in exponential form. _____ (4)

2.5 Calculate the following:

- 2.5.1 $2 \times 10^3 + 3 \times 10^2 + 4 \times 10^1 + 5$
2.5.2 $2 \times 10^3 + 3 \times 10^2 + 4 \times 10^1 + 5$

[16]

QUESTION 3: EXPONENTS

3.1 $5^2 \times \sqrt{5} + 5^2$ _____ (2)

3.2 $5^2 \times 5^3$ _____ (2)

3.3 $\frac{5^2}{5^3}$ _____ (3)

3.4 $\sqrt{5^2} \times 5^3$ _____ (3)

[10]

Mathematics Grade 1 paper 5 November 2014

**Uma Shanker Tiwary, Santanu
Chaudhury**



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Global Action on School Library Guidelines Barbara A. Schultz-Jones,Dianne Oberg,2015-06-16 This book celebrates the new IFLA School Library Guidelines and shows how the Guidelines can be used in improving school library services Each chapter describes innovative initiatives for developing implementing and promoting school library guidelines The book provides inspiration and guidance for the creation of national school library standards and for the development and use of standards and guidelines to change school library practice to define the teaching role of school librarians to guide the initial preparation of school librarians and to advocate for school library services Contributors to the book come from around the world Australia Canada Ethiopia France Malaysia Norway Poland Portugal Spain Sweden and the United States Their work illustrates the shared commitment of school librarians around the world to teaching and learning for all as envisioned in the IFLA UNESCO School Library Manifesto

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The Education Invasion Joy Pullmann,2017-03-14 Most Americans had no idea what Common Core was in 2013 according to polls But it had been creeping into schools nationwide over the previous three years and children were feeling its effects They cried over math homework so mystifying their parents could not help them even in elementary school They read motley assortments of informational text instead of classic literature They dreaded the high stakes tests in unfamiliar formats that were increasingly controlling their classrooms How did this latest and most sweeping reform of American education come in mostly under the radar Joy Pullmann started tugging on a thread of reports from worried parents and frustrated teachers and it led to a big tangle of history and politics intrigue and arrogance She unwound it to discover how a cabal of private foundation honchos and unelected public officials cooked up a set of rules for what American children must learn in core K 12 classes and how the Obama administration pressured states to adopt them Thus a federalized education scheme took root despite legal prohibitions against federal involvement in

curriculum Common Core and its testing regime were touted as an absolute game changer in public education yet the evidence so far suggests that kids are actually learning less under it Why then was such a costly and disruptive agenda imposed on the nation s schools Who benefits And how can citizens regain local self governance in education so their children s minds will be fed a more nourishing intellectual diet and be protected from the experiments of emboldened bureaucrats The Education Invasion offers answers and remedies

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The Mathematical Resilience Book Sue Johnston-Wilder, Clare Lee, 2024-06-13 This book is about mathematical resilience what it is why it is important how learners can develop it and how teachers can teach in ways that help learners become mathematically resilient Teaching for mathematical resilience helps mitigate mathematics anxiety which is often hidden from view as poor behaviour avoidance and underachievement and can have long term implications especially for people s employment opportunities and career progression Written by a team of expert contributors that specialise in teaching every age of learner from primary school through to adult the book shows that everyone can progress in mathematics if they have Mathematical Resilience and sets out practical strategies to support learners in developing this important attribute Chapters cover How to measure mathematics anxiety and resilience Tools for building mathematical resilience Building a resilient mathematical learning environment The power of coaching Working with groups individuals and support staff Supporting parents and carers The world faces huge challenges that involve mathematical thinking including climate change and economic injustice This valuable text shows teachers how they can help learners to engage positively with mathematical learning and reach their full potential

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